**Name:** **Dr. Sabahat Gazal**

**Designation:** Assistant Professor

**Contact Address:** Division of Veterinary Microbiology and Immunology, Faculty of Veterinary Sciences and Animal Husbandry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, R.S. Pura, Jammu- 181102.

**E-Mail:** gazalsabahat@gmail.com

**Mobile:**7006252941

**Professional Experience:** Have around10 year of research experience including 5 years of pursuing PhD at Pennsylvania State University, USA (Joined SKUAST-Jammu as an Assistant Professor in 2012)

**Awards/Honours/Scholarships:**

* Netaji Subhas ICAR International Fellowship 2015  for pursuing PhD from The Pennsylvania State University, USA
* Indian Council of Medical Research -Junior  Research Fellowship in Life Sciences (Year of  award: 2011)
* Indian Council of Agricultural Research– National  Eligibility Test in Paraclinical Veterinary Sciences  (Year of award: 2011)
* Indian Council of Agricultural Research- SRF  award in Veterinary Microbiology (Year of award:  2011)
* University Merit certificate by SKUAST-Jammu  for M.V.Sc in Veterinary Microbiology and Immunology (Year of award 2010)

**Area of Specialization:** Veterinary Microbiology

**Research Interest:** Veterinary Microbiology

**Total No. of Publications: (Referred Journals):** 10

**Selected Publications (best five):**

* Badroo, G.A., Taku, A., Mir, I.A., Bhat, M.A., Kumar, B. and **Gazal, S.** 2017. Virulence Characterization of Dichelobacter nododsus from Clinical Cases of Ovine Footrot. Israel Journal of Veterinary Medicine. 72 (1): 17-21
* **Sabahat Gazal,** A. K Taku, M. A. Bhat, G. A. Badroo. 2014. Group A rotavirus and bacterial agents associated with diarrhea induced hospitalizations in children below 5 years of age in Jammu. Indian Journal of Medical Microbiology. 32(1): 57-59.
* R. Bhardwaj, **Sabahat Gazal,** A. K. Taku, M. A. Bhat. 2013. A rare case of Malassezia pachydermatis induced stomatitis in a dog. The Indian Veterinary Journal 90(11): 69.
* **Sabahat Gazal,** A. K. Taku, B. Kumar. 2012. Predominance of rotavirus genotype G6P[11] in diarrhoeic lambs. The Veterinary Journal. 193(1): 299-300
* **Sabahat Gazal,** A. K. Taku, M.A. Bhat, Bablu Kumar, G.A. Badroo. 2012. Serogroup, detection, antibiotic resistance patterns and virulence gene profile of Escherichia coli isolated from diarrheic sheep. Indian Journal of Animal Sciences. 82(11):1290-1292

**Student Advisory:**

* Currentlysupervising 1 M.V.Sc and 1 Ph.D. student as Major Advisor
* Currently in the advisory committee of 3 M.V.Sc and 2 Ph.D. students

**Books/Manuals/Monographs:**

**Seminar/Workshop/Conference attended:**

* Participated in 11 days International online workshop on "Scientific Writing & Publication" from 30th April to 10th May 2022 conducted by Indian Veterinary Journal (IVJ) in association with FAO.
* Participated in 21 days Online International e-Training cum Orientation Programme on “Immunology – A Tool for Disease Management” organized by Department of Veterinary Microbiology, College of Veterinary Science & Animal Husbandry, Mhow (M.P.) from 11th – 31st October 2021.
* Participated in 21 days online training on “Recent advances in disease diagnosis and vaccines” organized by Department of Veterinary Microbiology, College of Veterinary Science & Animal Husbandry, Jabalpur (M.P) from July 27, 2021 to August 16, 2021.
* Attended American Society of virology (ASV) meet held at University of Maryland (USA) from July 14 to July 18, 2018 and presented the poster entitled “Linking paramyxovirus M proteins to ESCRT through angiomotins”.
* Participated Life Sciences symposium held at Penn State University (USA) on May 18th, 2018 and presented poster entitled “AmotL1 links paramyxovirus M protein with ESCRT”.
* Participated in Graduate exhibition 2019 organized by Penn State (USA) from March 22 to 24, 2019 and presented poster entitled “AmotL1 acts as an adapter and links paramyxovirus M protein to ESCRT machinery”.
* Presented poster at We Are the World Weekend Showcase organized by Penn State (USA) on March 29, 2019.
* Participated in 12th UGC-Networking Resource Centre Workshop on Molecular Virology organized by Indian Institute of Science, Bangalore from 20th March to 31st March 2015.
* Participated in 5th Science conclave/INSPIRE Internship program organized by MHRD-DST at IIIT-A from Dec 8-14, 2012.

**Extension trainings associated with:**

* Participated and delivered an expert lecture on “Cloning: back to basics” in 14day workshop entitled “Hands on Workshop on Molecular Biology and Immunology Techniques” sponsored by Science and Engineering Research Board (SERB), New Delhi from 5th -18th Jan 2022
* Participated and delivered a lecture on Rabies on World Zoonosis day organized by Department of VPHE, SKUAST-Jammu on 6th July 2022
* Delivered a lecture on “major viral diseases of fish” in 2-days training programme for fisheries officials organized by Fisheries Unit, SKUAST-Jammu from March 3-4, 2022
* Practical demonstration of “isolation microbes from fish” in in 2-days training programme for fisheries officials organized by Fisheries Unit, SKUAST-Jammu from March 3-4, 2022

**Research projects as PI/Nodal Officer**

* Co-PI in the project entitled “Exploration of Respiratory Metagenome of Small Ruminants and Establishment of Referral Diagnostic Facility” funded by DBT in 2015.
* Co-PI in the project entitled “Diagnosis and management of economically important poultry diseases” funded by SKUAST-Jammu in 2022

**Other achievements if any:**

 Sequences submitted to GenBank, NCBI

* Escherichia coli strain SHV-C4 plasmid SHV family beta-lactamase gene, partial cds. 2021 (GenBank accession no. MZ817081.1)

 Shikha, D., Bhat, M.A., **Gazal, S**., Rashid, M and Wazir VS.

* Escherichia coli strain CTXM15-C3 plasmid CTX-M family beta-lactamase (blatCTX-M) gene, partial cds. 2021 (GenBank accession no. MZ817080.1)

 Shikha, D., Bhat, M.A., **Gazal, S**., Rashid, M and Wazir, V.S.

* Escherichia coli strain CTXM15-B2 plasmid CTX-M family beta-lactamase (blaCTX-M) gene,  partial cds 2021  (GenBank accession no. MZ817079.1)

 Shikha, D., Bhat, M.A, Rashid, M., **Gazal, S** and Wazir, V.S.

* Escherichia coli strain SHV-B1 plasmid SHV family beta-lactamase (blaSHV) gene, partial cds 2021  (GenBank accession no. MZ817078.1)

 Shikha, D., Bhat, M.A., Rashid, M., **Gazal, S** and Wazir, V.S.

* Proteus mirabilis strain Jammu 16S ribosomal RNA gene, partial sequence (GenBank accession no. KP401767)

 Taku, A.K., Bhardwaj, R., **Gazal, S**., Bhat, M.A., Badroo, G.A and Sawant, P.

* Dichelobacter nodosus strain Jammu integrase A2 gene, partial cds (GenBank accession no. JN574475)

Taku, A.K., Badroo, G.A., Kumar, B., Bhat, M.A., Mir, I.A and **Ghazal, S**.